

# VeraSol

## Standardized Specifications Book

**Manufacturer:** Sinoware Technology Co., Ltd.

**Component Family Name:** Sinoware SunAce II Family

**Date of Standardized Specifications Book Expiration:** September 30, 2025

**Verify Online:** <https://data.verasol.org/products/sek/sino-safamily>

**Contact Information:** [tommyhuang@sinoware.com](mailto:tommyhuang@sinoware.com)

**Website:** [www.sinoware.com.cn](http://www.sinoware.com.cn)



This VeraSol Standardized Specifications Book presents a **component-level Standardized Specifications Sheet** listing the available components in the product family by component type, each individual component's performance rating, and performance results for each component tested according to the Edition 4 of IEC 62257-9-5. Following the component-level Standardized Specifications Sheet is a **list of the systems** covered by this Specifications Book that use combinations of these components.

**NOTICE:** Systems or kits developed using components from the component family will each perform differently and have not all been evaluated on a system-level basis. All systems listed in this Specifications Book are regarded to have passed the applicable requirements in IEC 62257-9-8.

**Revision:** 2025.06

# Component-Level Standardized Specifications Sheet

Sinoware Technology Co., Ltd.

Sinoware SunAce II Family

## Battery / Control Box

Name / Model Number	Battery Chemistry	Nominal Voltage (V)	Battery Capacity Rating (Ah)	Measured Battery Capacity (Ah)
Lamp B / Lamp C	Lithium iron phosphate	3.2	1.5	1.7
Main lamp / Lamp A	Lithium iron phosphate	3.2	3.2	3.2

## PV Module

Name / Model Number	Peak Power at STC Rating (W)	Measured Peak Power at STC (W)
3 W PV module	3	2.7
4 W PV module	4	--
6 W PV module	6	--
10 W PV module	10	8.5

## Light Sources\*

Name / Model Number	Luminous Flux Rating (lm)	Measured Luminous Flux (lm)	Measured Lamp Efficacy (lm/W)
	High	High	High
Main Lamp/ Lamp A	240	250	150
Lamp B/ Lamp C	not rated	120	140
Torch	not rated	22	110

## Appliances\*

Name / Model Number	Description	Rated Power (W)	Measured Power During Use (W)	Rated Battery Capacity (Ah)	Measured Battery Capacity (Ah)
Torch/Remote	A portable torch/remote with a 3.2 V lithium iron phosphate battery	--	0.2	0.5	0.5

**NOTICE:** As indicated, not all components listed on this page were tested according to the Quality Test Method (QTM) in Edition 4 of IEC 62257-9-5. However, based on the satisfactory performance of the tested components in the family, the components that were not tested are regarded to have passed the applicable requirements in IEC 62257-9-8. In addition, all tested components passed an internal inspection, the full array of applicable QTM durability tests, as well as ingress protection testing (where applicable).

\*Light points and appliances may perform differently when used with different systems.

# List of Covered Systems

Sinoware Technology Co., Ltd.

Sinoware SunAce II Family

System Name	Number of each component included in each system								
	Main Lamp/ Lamp A (with integrated battery)	Lamp B (with integrated battery)	Lamp C (with integrated battery and port)	3 W PV module	4 W PV module	6 W PV module	10 W PV module	Hub connector	Torch/ Remote control
SunAce I	1			1					
SunAce II**	1			1					1
SunAce-02	1		1		1			1	1
SunAce-03	1-2	0-2	0-2			1		1	1
SunAce-04	1-2	0-3	0-3				1	1	1

\*\*Tested as full systems. Individual SSS available on VeraSol website.

## **NOTICE:**

Only the SunAce II was fully tested as systems according to Edition 4 of IEC 62257-9-5. Individual Standardized Specifications Sheets (SSS) that report system-level performance are available for the SunAce II at <https://data.verasol.org/products/sek/>. Systems that were not tested, but that were developed using components from the component family will perform differently than the system(s) shown in the individual system-level SSS. All systems listed above are regarded to have passed the applicable requirements in IEC 62257-9-8.

Unless otherwise noted, the following information applies to all listed systems and components:

## **Warranty Information**

Two year warranty on all kits and components

# Available Daily Electrical Energy and Port Information

Sinoware Technology Co., Ltd.

Sinoware SunAce II Family

System Name	Available Daily Electrical Energy (Wh/day)	Includes ports for charging?
<b>SunAce II**</b>	7.1	yes

\*\*Tested as full systems. Individual SSS available on VeraSol website.

## **NOTICE:**

The available daily electrical energy (Wh/day) is calculated for fully tested systems following the energy service calculations as described in IEC/TS 62257-9-5 Ed. 4. For products in a family that are not tested as a full system, estimations of available daily electrical energy (Wh/day) are calculated according to an alternative method using data from the test reports of fully-tested products and components. Estimating Wh/day values requires making assumptions about system efficiencies, power consumption, and user behavior. As with any calculation based on multiple assumptions, there is some degree of error in the Wh/day estimate, which may be greater or less than the actual value for a given product.